



17W

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 31, 2004.

Kurt A. Summe
Kurt A. Summe, Reg. No. 36,023

8/31/04
Date

PATENT
ATTY. DOCKET NO: DEME-12C2/119

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Logan et al.	Art Unit:	2875
Serial No.	10/655,781	Examiner:	Not yet assigned
Filed:	September 5, 2003		
Title:	APPARATUS AND METHOD FOR CURING MATERIALS WITH LIGHT RADIATION		

Cincinnati, Ohio

August 31, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 CFR §1.56 and means of complying therewith according to 37 CFR §§1.97 and 1.98, the references listed on the attached forms PTO-1449 are called to the attention of the U.S. Patent and Trademark Office in connection with the above-identified application.

Subject to the Office's waiver of providing copies of U.S. patents and published applications for applications filed after June 30, 2003, only copies of the "Foreign" and "Other" patent references are provided, since this application was filed on September 5, 2003, and therefore, subsequent to June 30, 2003.

The Examiner is respectfully requested to review each reference cited and to note the review on the attached PTO-1449 forms, and to reach their own independent determination of its materiality, if any.

To the best of Applicant's knowledge and belief, this Information Disclosure Statement is being filed prior to the receipt of a first Office Action on the merits of this case, and therefore, no fees are believed to be due. However, if any charges or credits are necessary to complete this communication, please apply them to Deposit Account 23-3000.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Kurt A. Summe", written over a horizontal line.

Kurt A. Summe, Reg. No. 36,023

Wood, Herron & Evans, L.L.P.
2700 Carew Tower
441 Vine Street
Cincinnati, Ohio 45202
Voice: (513) 241-2324
Facsimile: (513) 241-6234

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
DEME/12C2SERIAL NO.
10/655,781INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Joseph N. Logan and
Raymond L. KnoxFILING DATE
September 5, 2003GROUP
2875

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	3	6	3	8	0	1	3	1/1972	Keller	240	41.15	
	A.B	3	7	1	2	9	8	4	1/1973	Lienhard			
	A.C	3	7	3	3	4	8	1	05/15/73	Kuyt			
	A.D	3	8	6	8	5	1	3	2/1975	Gonser	250	504	
	A.E	3	9	7	0	8	5	6	7/1976	Mahaffey et al.	250	493	
	A.F	4	0	4	8	4	9	0	9/1977	Troue	240	41.35	
	A.G	4	1	1	4	2	7	4	09/19/78	Jones			
	A.H	4	1	1	4	9	4	6	09/19/78	Hoffmeister et al.			
	A.I	4	1	4	9	0	8	6	04/10/79	Nath			
	A.J	4	1	8	4	1	9	6	1/1980	Moret et al.	433	29	
	A.K	4	1	8	5	8	9	1	1/1980	Kaestner	350	167	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	DE 295 11 927	02/02/97	Germany			
	A.M	DE 42 11 233	01/29/92	Germany	A61C	1/08	No
	A.N	EP 0 116 405	8/22/84	European			Yes
	A.O	EP 0 266 038	10/23/91	Europe	A61N	5/06	N/A
	A.P	EP 0 320 080	08/04/93	Europe	A61N	5/06	N/A
	A.Q	EP 0 568 666	11/20/92	Europe	A61N	5/06	Claims in English

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	Burgess, John O. et al., <u>An Evaluation of Four Light-Curing Units Comparing Soft and Hard Curing</u> , Pract. Periodont Aesthet. Dent. 11(1), 125-132, 1999
	A.S	Cao, <u>Dental Curing Light</u> , US2003/0219693, published November 27, 2003
	A.T	Davidson-Kaban, Saliha S. et al., <u>The Effect of Curing Light Variations on Bulk Curing and Wall-to-Wall Quality of Two Types and Various Shades of Resin Composites</u> , Dent. Mater. 13: 344-352, November 1997

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered.
Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b)) (Use several sheets if necessary)				APPLICANT Joseph N. Logan and Raymond L. Knox									
				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	B.A	4	1	8	6	7	4	8	02/05/80	Schlager	128	736	
	B.B	4	2	0	9	9	0	7	07/01/80	Tsukada et al.			
	B.C	4	2	2	9	6	5	8	10/21/80	Gonser			
	B.D	4	2	3	0	4	5	3	10/1980	Reimers	433	29	
	B.E	4	2	3	3	6	4	9	01/11/80	Scheer et al.			
	B.F	4	2	8	0	2	7	3	7/1981	Vincent			
	B.G	4	2	9	8	8	0	6	11/1981	Herold	250	504	
	B.H	4	3	3	7	7	5	9	7/1982	Popovich et al.	126	438	
	B.I	4	3	8	5	3	4	4	5/1983	Gonser	362	32	
	B.J	4	3	9	1	5	8	8	07/05/83	Matsui			
	B.K	4	3	9	8	8	8	5	8/1983	Loge et al.	433	126	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	B.L	EP 0 672 435						09/20/95	Europe	A61N	5/O6	N/A	
	B.M	EO 0 678 282						10/25/95	Europe				
	B.N	EP 0 709 698						05/O1/96	Europe			N/A	
	B.O	EP 0 736 307						10/O9/96	Europe	A61N	5/O6	N/A	
	B.P	EP 0 740 567						11/O6/O2	Europe	A61N	5/O6	N/A	
	B.Q	EP 0 755 662						07/O4/96	Europe	A61C	19/O0	No (in German)	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	B.R	Eibofner et al., <u>Lighting Fixture for a Medical or Dental Handpiece</u> , US2001/O007739, U.S. Patent Application Publication, published 7/12/O1											
	B.S	, <u>European Search Report</u> , February 27, 2004											
	B.T	Feltzer, A. J. et al., <u>Influence of Light Intensity on Polymerization Shrinkage and Integrity of Restoration-Cavity Interface</u> , Eur. J. Oral Sciences, 103: 322-326, 1995											
EXAMINER									DATE CONSIDERED				

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))				(Use several sheets if necessary)									
				APPLICANT Joseph N. Logan and Raymond L. Knox		FILING DATE September 5, 2003		GROUP 2875					
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	C.A	4	4	1	2	1	3	4	10/25/83	Herold et al.			
	C.B	4	4	4	5	8	5	8	05/O1/84	Johnson			
	C.C	4	4	5	0	1	3	9	5/22/84	Bussiere et al.	422	186.3	
	C.D	4	6	1	0	6	3	0	09/O9/86	Betush			
	C.E	4	6	6	6	4	0	6	5/1987	Kanca, III	433	229	
	C.F	4	5	7	3	3	5	3	06/16/87	Nevin			
	C.G	4	7	1	6	2	9	6	12/29/87	Bussiere et al.			
	C.H	4	7	2	9	0	7	6	3/1988	Masami et al.	362	235	
	C.I	4	7	5	7	3	8	1	07/12/88	Cooper et al.			
	C.J	4	7	9	2	6	9	2	12/20/88	Herold et al.			
	C.K	4	8	1	0	1	9	4	3/1989	Snedden	433	91	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	C.L	EP 0 780 101						06/25/97	Europe	A61C	7/16	N/A	
	C.M	EP 0 780 103						06/25/97	Europe	A61C	19/O0	No (in German)	
	C.N	EP 0 830 850						03/25/98	Europe				
	C.O	EP 0 830 851						05/O2/O2	Europe	A61C	5/O2	N/A	
	C.P	EP 0 830 852						05/O6/O2	Europe	A61C	5/O2	N/A	
	C.Q	EP 0 879 582						11/25/98	Europe	A61C	19/O0	No (in German)	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	C.R	Gemunder et al. , <u>Photo Curing Light System Having Modulated Light Intensity Control</u> , US2002/O014864, U.S. Patent Application Publication, published 2/7/O2											
	C.S	Gordon et al., <u>U.S. Patent Application Publication No. US 2002/O133970 A1</u> , Pub. Date: Sep. 26, 2002											
	C.T	Hooker et al., <u>Optical Waveguide Concentrator and Illuminating Device</u> , US20021/O051367, U.S. Patent Application Publication, published 5/2/O2											
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Joseph N. Logan and Raymond L. Knox									
				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER				ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	D.A	4	8	2	6	4	3	1	5/1989	Fujimura et al.	433	29	
	D.B	4	8	3	6	7	8	2	06/06/89	Gonser			
	D.C	4	8	3	9	5	6	6	06/13/89	Herold et al.			
	D.D	4	8	4	6	5	4	6	7/1989	Cuda	350	96.24	
	D.E	4	8	8	8	4	8	9	12/1989	Bryan	250	504	
	D.F	4	9	3	5	6	6	5	6/1990	Murata	313	500	
	D.G	4	9	3	6	8	0	8	6/1990	Lee	445	24	
	D.H	4	9	4	8	2	1	5	08/14/90	Friedman			
	D.I	4	9	6	3	7	9	8	10/1990	McDermott	315	312	
	D.J	4	9	9	9	3	1	0	3/1991	Kim	437	51	
	D.K	5	0	0	3	4	3	4	3/1991	Gonser et al.	362	32	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER				PUBLICATION DATE		COUNTRY OR PATENT OFFICE		CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	D.L	EP 0 880 945				12/02/98		Europe		A61C	19/00	No (in German)	
	D.M	EP 0 884 025				12/16/98		Europe		A61C	1/08	N/A	
	D.N	EP 0 885 025				12/16/98		Europe		A61C	1/08	N/A	
	D.O	EP 0 998 880				05/10/00		Europe		A61C	1/08	No (in German)	
	D.P	EP 1 031 326				08/30/00		Europe		A61C	19/00	No (in French)	
	D.Q	EP 1 090 607				04/11/01		Europe		A61C	19/00	N/A	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	D.R	Kanca, III, John and Suh, Byoung I., <u>Pulse Activation: Reducing Resin-Based Composite Contraction Stresses at the Enamel Cavo-surface Margins</u> , Am. J. of Dentistry, 12(3), 107-112, 1999											
	D.S	Kato, Hiromasa, <u>Relationship Between the Velocity of Polymerization and Adaptation to Dentin Cavity Wall of Light-Cured Composite</u> , Dental Materials J. 6(1): 32-37, 1987											
	D.T	Koran, Peter and Kurschner, Ralf, <u>Effect of Sequential versus Continuous Irradiation of a Light-Cured Resin Composite on Shrinkage, Viscosity, Adhesion, and Degree of Polymerization</u> , Am. J. of Dentistry, 11, No. 1, 17-22, 1998											
EXAMINER								DATE CONSIDERED					
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Joseph N. Logan and Raymond L. Knox									
				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	E.A	5	0	0	7	8	3	7	04/16/91	Werly			
	E.B	5	0	1	7	1	4	0	05/21/91	Ascher			
	E.C	5	0	2	9	9	5	7	07/09/91	Hood	350	96.2	
	E.D	5	1	1	5	7	6	1	05/26/92	Hood	118	641	
	E.E	5	1	4	7	2	0	4	9/1992	Patten et al.	433	229	
	E.F	5	1	5	0	0	1	6	9/1992	Sawase et al.	315	294	
	E.G	5	1	6	1	8	7	9	11/1992	McDermott	362	206	
	E.H	5	1	6	2	6	9	6	11/1992	Goodrich	313	511	
	E.I	5	1	7	3	8	1	0	12/22/92	Yamakawa			
	E.J	5	1	9	8	6	7	8	03/30/93	Oppawsky			
	E.K	5	2	0	1	6	5	5	4/1993	Friedman	433	29	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	E.L	EP 1 090 608						04/11/O1	Europe	A61C	19/O0	N/A	
	E.M	EP 1 093 765						04/25/O1	Europe	A61C	1/O8	N/A	
	E.N	EP 1 103 232						05/30/O1	Europe	A61C	19/O0	N/A	
	E.O	EP 1 112 721						07/04/O1	Europe	A61C	1/O8	No (in German)	
	E.P	EP 1 138 276						10/04/O1	Europe	A61C	19/O0	N/A	
	E.Q	EP 1 138 349						10/04/O1	Europe	A61N	5/O6	N/A	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	E.R	Lieb et al., <u>Light-Emitting Handpiece for Curing Photopolymerizable Resins</u> , US2003/0036031, published February 20, 2003											
	E.S	LumiLeds Lighting LLC, <u>Concept Evaluation Data Luxeon™ Star 5-Watt</u> , Luxeon™ 5-Watt Preliminary Target Data Sheet, Publication No. JP10 (Jan 2002)											
	E.T	LumiLeds Lighting LLC, <u>LED Application Note Dental Light Curing</u> , LumiLeds Lighting Publication No. XXX(03.01), Copyright© 2000											
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Joseph N. Logan and Raymond L. Knox									
				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	F.A	5	2	3	3	2	8	3	08/03/93	Kennedy	320	13	
	F.B	5	2	4	2	6	0	2	09/07/93	Richardson et al.	210	745	
	F.C	5	2	6	5	7	9	2	11/1993	Harrah et al.	228	6.2	
	F.D	5	2	7	8	6	2	9	01/11/94	Schlager et al.	356	313	
	F.E	5	2	8	3	4	2	5	2/1994	Imamura	250	208.1	
	F.F	5	2	9	0	1	6	9	3/1994	Friedman et al.	433	29	
	F.G	5	3	0	2	1	2	4	04/12/94	Lansing et al.			
	F.H	5	3	1	2	2	4	9	05/13/94	Kennedy			
	F.I	5	3	1	6	4	7	3	5/31/94	Hare	433	29	
	F.J	5	3	2	8	3	6	8	07/12/94	Lansing et al.			
	F.K	5	3	7	1	8	2	6	12/6/94	Friedman	385	115	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	F.L	EP 1 206 923							05/22/02	Europe	A61C	19/00	N/A
	F.M	EP 1 228 738							08/07/02	Europe	A61C	19/000	No (in German)
	F.N	GB 2 212 010							7/1989	Great Britain			
	F.O	GB 2 329 756							03/31/99	GB			
	F.P	JP 2 080 522							11/15/99	Japan			
	F.Q	JP 410033573							02/10/98	Japan	A61C01 9	00	Abstract only
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	F.R	LumiLeds Lighting LLC, <u>Application Bulletin AB XXX</u> , Luxeon™ Data Sheet, Publication No. xxxx-xxxx											
	F.S	LumiLeds Lighting LLC, <u>Luxeon™ Power Light Sources of the Future</u> , January 2001 - Mike Holt											
	F.T	LumiLeds Lighting LLC, <u>Lumen Maintenance of White Luxeon™ Power Light Sources</u> , Application Brief AB07, LumiLeds Lighting, US LLC											
EXAMINER										DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Joseph N. Logan and Raymond L. Knox									
				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	G.A	5	3	7	3	1	1	4	12/1994	Kondo et al.	174	268	
	G.B	5	4	2	0	7	6	8	5/30/95	Kennedy	362	119	
	G.C	5	4	5	7	6	1	1	10/10/95	Verderber			
	G.D	5	4	7	1	1	2	9	11/28/95	Mann	320	21	
	G.E	5	4	8	7	6	6	2	01/30/96	Kipke et al.	433	37	
	G.F	5	5	2	1	3	9	2	05/28/96	Kennedy et al.	250	492.1	
	G.G	5	5	3	0	6	3	2	06/25/96	Shikano et al.			
	G.H	5	5	3	5	2	3	0	7/1996	Abe	372	43	
	G.I	5	6	1	6	1	4	1	04/O1/97	Cipolla			
	G.J	5	6	1	7	4	9	2	4/1997	Beach et al.	385	33	
	G.K	5	6	3	4	7	1	1	6/1997	Kennedy et al.	362	119	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	G.L	JP 6-30275						1994	Japan			No	
	G.M	JP 8-141001						1996	Japan			Yes	
	G.N	JP 8-194786						1997	Japan			Yes	
	G.O	JP 9-10238						1997	Japan			Yes	
	G.P	WO 00/13608						03/16/O0	International	A61C	19/O0	N/A	
	G.Q	WO 00/14012						03/O1/O1	International	A61N	5/O6	N/A	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	G.R	LumiLeds Lighting LLC, <u>Application Note 1149-5, Secondary Optics Design Considerations for Super Flux LEDs</u> , Copyright © 2000 LumiLeds Lighting, Obsoletes Publication No. 5968-1215E, Publication No. AN06 (3/O0)											
	G.S	Luxeon Dental Technical Data, <u>Power Light Source</u> , April, 2002											
	G.T	MacDougald et al., <u>U.S. Patent Application Publication No. US 2003/0015667 A1</u> , Pub. Date: Jan. 23, 2003											
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Joseph N. Logan and Raymond L. Knox									
(Use several sheets if necessary)				FILING DATE September 5, 2003		GROUP 2875							
(37 CFR 1.98(b))													
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	H.A	5	6	6	0	4	6	1	8/1997	Ignatius et al.	362	241	
	H.B	5	6	6	4	0	4	2	09/02/97	Kennedy	385	136	
	H.C	5	6	9	8	8	6	6	12/1997	Doiron et al.	257	99	
	H.D	5	7	0	7	1	3	9	1/1998	Haitz	362	231	
	H.E	5	7	1	1	6	6	5	1/1998	Adam et al.	433	9	
	H.F	5	7	4	7	3	6	3	5/1998	Wei et al.	438	5	
	H.G	5	7	5	9	0	3	2	06/02/98	Bartel			
	H.H	5	8	0	3	7	2	9	09/08.87	Tsimerman			
	H.I	5	8	5	7	7	6	7	01/2/99	Hochstein			
	H.J	5	9	1	2	4	7	0	06/15/99	Eibofner et al.			
	H.K	5	9	2	8	2	2	0	07/27/99	Shimoji			
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	H.L	WO 00/15296						03/23/00	International	A61N	5/00	N/A	
	H.M	WO 00/41726						07/20/00	International	A61K	41/00	N/A	
	H.N	WO 00/41767						07/20/00	International	A61N	5/06	N/A	
	H.O	WO 00/43067						07/27/00	International	A61N	5/01	N/A	
	H.P	WO 00/43069						07/27/00	International	A61N	5/06	N/A	
	H.Q	WO 00/43068						07/27/00	International	A61N	5/01	N/A	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	H.R	Mayes, Joe H., <u>Curing Lights: An Overview</u> , Unknown, pg 15-17											
	H.S	Mehl, A. et al., <u>Physical Properties and Gap Formation of Light-Cured Composites With and Without 'Softstart-Polymerization'</u> , J. of Dentistry, 25, 321-330, 1997											
	H.T	Ostler et al., <u>Light Emitting Diode Light Source for Curing Dental Composites</u> , U.S. Patent Application 2001/46652, published November 29, 2001											
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Joseph N. Logan and Raymond L. Knox									
(Use several sheets if necessary)				FILING DATE September 5, 2003		GROUP 2875							
(37 CFR 1.98(b))													
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	I.A	5	9	7	5	8	9	5	11/02/99	Sullivan			
	I.B	6	0	0	8	2	6	4	12/1999	Ostler et al.	522	4	
	I.C	6	0	3	3	2	2	3	03/07/00	Narusawa et al.			
	I.D	6	0	4	5	2	4	0	04/04/00	Hochstein			
	I.E	6	0	4	6	4	6	0	04/04/00	Mertins			
	I.F	6	0	6	5	9	6	5	05/23/00	Rechmann			
	I.G	6	0	6	8	4	7	4	05/30/00	Senn et al.			
	I.H	6	0	7	7	0	7	3	06/20/00	Jacob			
	I.I	6	0	8	6	3	6	7	07/11/00	Levy			
	I.J	6	0	9	5	8	1	2	08/01/2000	Senn et al			03/01/1999
	I.K	6	1	0	2	6	9	6	8/2000	Osterwalder et al.			
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	I.L	WO 00/45733							08/10/00	International	A61C	19/00	N/A
	I.M	WO 00/67048							11/09/00	International	G02B	A2	N/A
	I.N	WO 00/67660							11/16/00	International	A61C	13/15	N/A
	I.O	WO 00/01464							01/13/00	International	B01D	46/00	N/A
	I.P	WO 00/02491							01/20/00	International	A61B	17/36	N/A
	I.Q	WO 01/19280							International	International	A61C	13/15	No (in German)
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	I.R	Sakaguchi, Ronald L. and Berge, Hong Xu, <u>Reduced Light Energy Density Decreases Post-Gel Contraction While Maintaining Degree of Conversion in Composites</u> , J. of Dentistry, 26, 695-700, 1998											
	I.S	Schlager, Kenneth J., Ignatius, Ronald W., <u>An LED-Array Light Source for Medical Therapy</u> , SPIE Vol. 1892 Medical Lasers and Systems II (1993) p. 26-35.											
	I.T	Swift Jr., Edward J. et al., Ed., <u>Contemporary Photocuring Issues, Part II</u> , J. Esthetic Dentistry, 12 (1), 50-57, 2000											
EXAMINER										DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Joseph N. Logan and Raymond L. Knox			
(37 CFR 1.98(b))				FILING DATE September 5, 2003		GROUP 2875	

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	J.A	6	1	2	3	5	4	5	09/26/00	Eggler et al.			
	J.B	6	1	5	5	8	2	3	12/05/00	Nagel			
	J.C	6	1	5	9	0	0	5	12/12/00	Herold et al.			
	J.D	6	1	6	1	9	3	7	12/19/00	Rosenstatter			
	J.E	6	1	6	8	4	3	1	01/02/01	Narusawa et al.			
	J.F	6	1	7	1	1	0	5	01/09/01	Sarmadi			
	J.G	6	1	8	6	7	8	6	02/13/01	Trushkowsky			
	J.H	6	1	9	3	5	1	0	02/27/01	Tsimerman			
	J.I	6	2	0	0	1	3	4	3/13/01	Kovac, et al.	433	29	
	J.J	6	0	2	8	7	8	8	03/27/01	Nosov			
	J.K	6	2	2	0	7	2	2	04/24/01	Begemann			

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	J.L	WO 01/24724	04/12/01	International	A61C	3/00	N/A
	J.M	WO 01/54770	08/02/01	International	A61N	5/06	N/A
	J.N	WO 01/60280	08/23/01	International	A61C	13/15	Abstract only
	J.O	WO 01/64129	09/07/01	International	S61C	19/00	N/A
	J.P	WO 01/68035	09/20/01	International	A61K	6/00	N/A
	J.Q	WO 01/69691	09/20/01	International	H01L	31/12	N/A

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
	J.R Tarle, Z. et al., <u>The Effect of the Photopolymerization Method on the Quality of Composite Resin Samples</u> , J. of Oral Rehab. 25: 436-442, 1998
	J.S TIR Technologies, Inc., <u>Miniaturized TIR lenses for Light Emitting Diodes</u> , TIR Technical Publication, pgs. 1-14
	J.T Uno, Shigeru and Asmussen, Erik, <u>Marginal Adaptation of a Restorative Resin Polymerized at Reduced Rate</u> , Scand J. Dent. Res. 1991; 99: 440-4

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Joseph N. Logan and Raymond L. Knox									
(37 CFR 1.98(b))				FILING DATE September 5, 2003		GROUP 2875							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	K.A	6	2	8	0	1	8	7	08/28/01	Slone			
	K.B	6	2	8	0	1	8	8	08/28/01	Ross			
	K.C	6	3	3	1	1	1	1	12/18/01	Cao			
	K.D	6	3	4	5	9	8	2	2/12/02	Meyer			
	K.E	6	3	7	9	1	4	9	04/30/02	Franetzki			
	K.F	6	4	1	9	4	8	3	07/16/02	Adam et al.			
	K.G	6	4	3	9	8	8	8	08/27/02	Boutousssov et al.			
	K.H	6	4	6	8	0	7	7	10/22/02	Melikechi et al.			
	K.I												
	K.J												
	K.K												
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	K.L	WO 01/03770						01/18/01	International	A61N	5/00	N/A	
	K.M	WO 02/11640						02/14/02	International			N/A	
	K.N	WO 02/32505						04/25/02	International	A61N	5/06	N/A	
	K.O	WO 02/33312						04/25/02	International	F21V		N/A	
	K.P	WO 02/49721						06/27/02	International	A61N	5/06	N/A	
	K.Q	WO 02/056787						07/25/02	International				
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	K.R												
	K.S												
	K.T												
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Joseph N. Logan and Raymond L. Knox			
(37 CFR 1.98(b))				FILING DATE September 5, 2003		GROUP 2875	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	L.A						
	L.B						
	L.C						
	L.D						
	L.E						
	L.F						
	L.G						
	L.H						
	L.I						
	L.J						
	L.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	L.L	WO 02/06723	01/24/02	International	F21S	8/00	No (in German)
	L.M	WO 02/069839	09/12/02	International			
	L.N	WO 02/080808	10/17/02	International			
	L.O	WO 83/01311	04/14/83	International	G02B	27/10	
	L.P	WO 95/07731	03/23/95	International			
	L.Q	WO 99/35995	07/22/99	International			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	L.R	
	L.S	
	L.T	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Joseph N. Logan and Raymond L. Knox			
(37 CFR 1.98(b))				FILING DATE September 5, 2003		GROUP 2875	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	M.A						
	M.B						
	M.C						
	M.D						
	M.E						
	M.F						
	M.G						
	M.H						
	M.I						
	M.J						
	M.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	M.L	WO 00/41768	07/20/00	International	A61N	5/06	
	M.M	WO 02/09610	02/07/02	International	A61B	18/24	
	M.N	WO 84/04463	11/22/84	International	A61N	5/06	
	M.O	WO 92/02275	02/20/92	International	A61N	5/06	
	M.P	WO 93/09847	5/1993	International		N/A	
	M.Q	WO 93/21842	11/11/93	International	A61B	17/36	

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
	M.R
	M.S
	M.T

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2	SERIAL NO. 10/655,781		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT Joseph N. Logan and Raymond L. Knox			
				FILING DATE September 5, 2003		GROUP 2875	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	N.A						
	N.B						
	N.C						
	N.D						
	N.E						
	N.F						
	N.G						
	N.H						
	N.I						
	N.J						
	N.K						
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	N.L	WO95/19810	07/25/95	International	A61N	5/O6	N/A
	N.M	WO 95/26217	10/05/95	International	A61N	5/O6	N/A
	N.N	WO/97/36552	10/09/97	International	A61C	13/15	N/A
	N.O	WO 97/37722	10/16/97	International	A61N	5/O6	Abstract only
	N.P	WO 97/46279	12/11/97	International	A61N	5/O6	N/A
	N.Q	WO 97/46280	12/11/97	International	A61N	5/O6	N/A
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
	N.R						
	N.S						
	N.T						
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.							

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2	SERIAL NO. 10/655,781	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Joseph N. Logan and Raymond L. Knox		
(Use several sheets if necessary)						
(37 CFR 1.98(b))				FILING DATE September 5, 2003		GROUP 2875

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	O.A						
	O.B						
	O.C						
	O.D						
	O.E						
	O.F						
	O.G						
	O.H						
	O.I						
	O.J						
	O.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	O.L	WO 98/03131	01/29/98	International	A61C	9/00	N/A
	O.M	WO 98/04317	02/05/98	International	A61N	1/30	N/A
	O.N	WO 99/11324	03/11/99	International	/A61N	5/06	N/A
	O.O	WO 99/16136	04/01/99	International	H01L	33/00	N/A
	O.P	WO 99/20346	4/29/99	International	A61N	5/06	N/A
	O.Q	WO 99/09071	02/25/99	International	C08F	2/46	N/A

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
	O.R	
	O.S	
	O.T	

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.